



OPTICAL DESIGN CONSULTANCY

OPTONOM

Scientific Instruments

www.optonom.com.tr

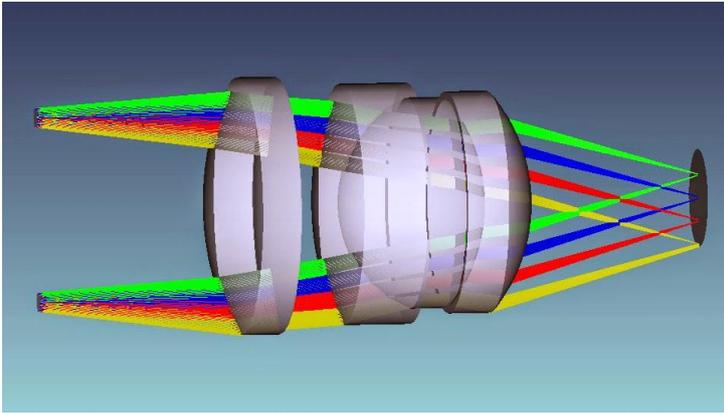
Turkey

Discover
the potential



Optonom Optical Design Consultancy

Your product or project is carried out through computer assisted software (by using programs such as **TracePro, OSLO, RayViz**) through optical engineering studies. At the same time, the opto-mechanical design of a system (**Solidworks, Catia, Autocad** etc.) is completed and the production is made ready in our company. The design can be analyzed and harmonized with other applications such as **Optis, Speos, Zemax, Lighttools**.



With optimization, accurate geometry, light distribution, light intensity settings, homogeneous distribution of light, summarized light properties are analyzed. Beam tracking and beam analysis are performed. It is possible to design original lighting tools not only for ready-made models but also for a newly created object. For example, a model drawn in SolidWorks can be analyzed in terms of radiation and illumination in our company. Technical support is provided by experts such as physicists and physics engineers.

Optonom Scientific Company is actively working on reflector design for the LED lighting industry.

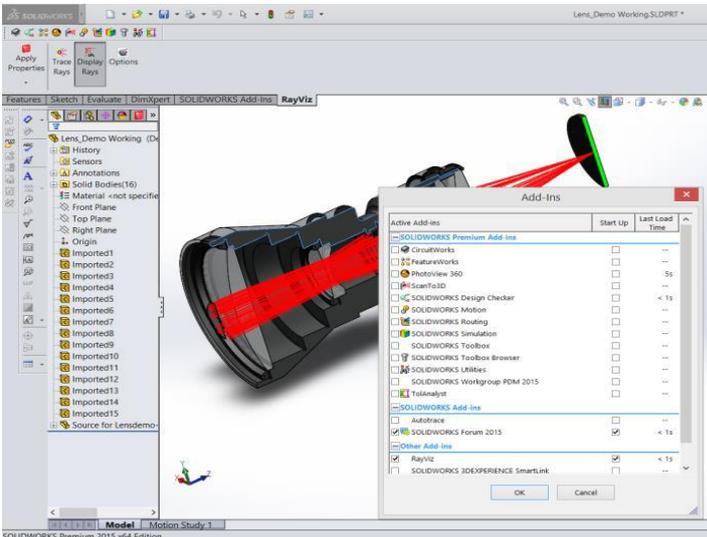
In house, it is possible to design any desired optical system according to the specifications. An example of the original product is the design of different LEDs with varying color temperatures throughout the day. New products and new model designs will also shorten the production cycle and reduce production errors.

In general, it is possible to design and provide support in the following areas:

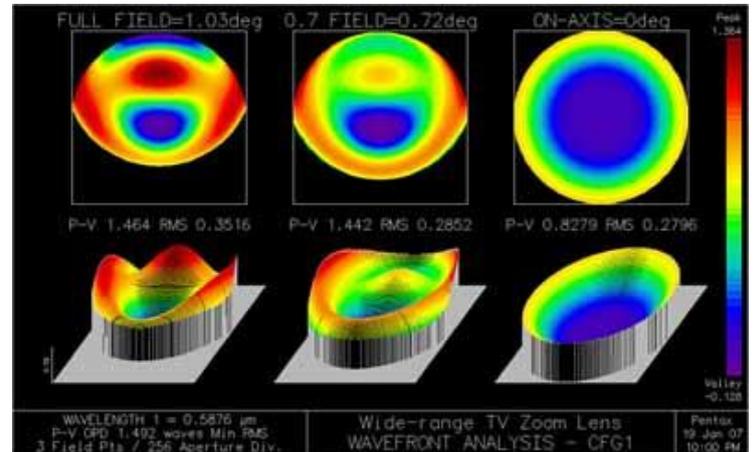
- Reflector Design
- LED Lighting Design
- LED Panel and Projector Design
- Lens Design
- Contact Lens Design Fiber Lighting
- TV Backlight Design
- 2D-3D Optimization
- Light Pipe Design
- Illumination Design in Biomedical Applications
- Stray Light Analysis
- Spot Lighting
- Solar Lighting
- Automotive Interior and Exterior Lighting
- Military Optical Hardware Design



Optonom Optical Design Consultancy



In our daily life, we use glasses lenses, telescopes used for surveillance and evaluation, binoculars, periscopes, lenses of visible and near (nir-swir), middle (mir), far (lwir) design and engineering studies of other optical systems such as used eye, ear examination instruments, endoscopes, industrial and other multi-field spectrometers, complex optical systems designed for use in scientific research, military sightings etc. **physicists, physics engineers and optical engineers.**



The firm **Optonom Scientific Instruments** provides ability to conduct **optical projects** professionally for national and international companies, institutions or individuals by **design, engineering and manufacturing** are provided with consultancy services.

Being representative of **TracePro, OSLO and RayViz** software carries out by our company in Turkey. Particularly Optonom is active working on designing original new reflectors for the LED lighting sector.

TracePro is an award-winning opto-mechanical program for design, analysis and **optimization of optical and lighting systems.**

TracePro offers impressive and powerful **optical design capabilities** to speed up product-time-market components with Easy-to-use CAD interface and powerful optimizer software.

